Mumbai University

Question Paper

[CBSGS – 75:25 Pattern]
(April – 2016)

PAPER - IV

ELECTIVE

PROJECT

MANAGEMENT

Time: 2 ½ Hours **Total Marks:** 75

N.B.: **(1)** *All Question are Compulsory.*
     (2) *Make Suitable Assumptions Wherever Necessary And State The Assumptions Made.*
     (3) *Answer To The Same Question Must Be Written Together.*
     (4) *Number To The Right Indicates Marks.*
     (5) *Draw Neat Labeled Diagrams Wherever Necessary.*
     (6) *Use of Non – Programmable Calculator is allowed.*

Q.1 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

(A) What are the factors that can be abstracted with Software Economics? Explain in detail. **(5)**
(B) What is customization of component & compare them with Commercial Components? **(5)**
(C) How do we partition the Process Perspectives? Explain them in brief. **(5)**
(D) Compare the three Generations of Software Development. **(5)**

Q.2 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

(A) "Management set artifacts associated with process planning & execution" – justify the statement. **(5)**
(B) Write a short note on Test Artifacts. **(5)**
(C) Explain the Technical Perspective of Software Architecture. **(5)**
(D) Why do we call the requirements set the Primary Engineering Content? Explain. **(5)**

Q.3 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

(A) Write a short note on Realistic Planning. **(5)**
(B) How do you classify the Joint Management Reviews? Explain about Minor Milestones in detail. **(5)**
(C) Explain the concept of Iteration Workflow in detail. **(5)**
(D) How to create a Tailor-Made WBS? Discuss the ways and means. **(5)**

Q.4 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

(A) Explain about Project Software Standard. **(5)**
(B) What are the key points that Software Architecture Team should focus on? Explain their Roles, Artifacts, and Responsibilities. **(5)**
(C) Why is the process to be Automated? Explain the reasons and the three levels of Automation. **(5)**
(D) Why are the tools considered as the core components in the Process Automation? Explain. **(5)**

Q.5 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

(A) Explain the three Management Indicators' metrics in detail. **(5)**
(B) Write a short note on Pragmatic Software Metrics. **(5)**
(C) Enlist the factors of Tailoring a Software Process Framework. Explain any of the 4 factors in detail. **(5)**
(D) Explain about Small Scale and Large Scale Projects. **(5)**

Q.6 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

(A) Enlist the various principles of Modern Project Management. **(5)**
(B) Explain the best practices listed it out by "Airline Software Council". **(5)**
(C) Analyze the Future Perspective of Cost Estimation Model. **(5)**
(D) Write a short note on the Process of Denouement. **(5)**

[TURN OVER]

Q.7 **ATTEMPT ANY THREE QUESTIONS: (15 MARKS)**

(A) "Late design & integration is one of the biggest drawbacks of Waterfall Model" – Explain the statement. **(5)**

(B) Write a short note on Pragmatic Artifacts. **(5)**

(C) Explain the 2 perspectives through which project plans need to be derived. **(5)**

(D) Explain the nature of Project Team Members and their profiles. **(5)**

(E) Explain the two dimensions of process discriminate with neat diagram. **(5)**

(F) Explain the basic difference between Problem Spaces Vs. Solution Space with respect to Software Cost Model. **(5)**